

Formula Calculation Worksheet
(also do 11-16 on page 231)

A compound is found to contain 36.48% of sodium, 25.41% sulfur, and 38.02% oxygen. Find its simplest formula.

Find the simplest formula of a compound that contains 53.70% iron and 46.30% sulfur.

Analysis of a compound indicates that it contains 1.04g K, 0.7g Cr, and 0.82g O. What is its simplest formula?

4.04g of N combine with 11.46g of O to produce a compound with a formula mass of 108.0 g/mol. What are the simplest formula and molecular formulas of these compounds?

The formula mass of a compound is 92u. Analysis of this compound indicates that it contains 0.606g N and 1.390g O. What are its empirical and molecular formulas.